

Complete Summary

TITLE

HIV: percentage of nursing facility patients for whom one of four specified management options is documented in the medical record in every 4-month period the patient is considered unstable.

SOURCE(S)

New York State Department of Health AIDS Institute HIV Quality of Care Program. Nursing facility HIV performance measures. [internet]. New York: New York State Department of Health AIDS Institute; 2000-2004 [cited 2005 Aug 10]. [3 p]. Available: http://www.hivguidelines.org/public_html/center/quality-of-care/qoc-title-indicators/skilled-nursing.pdf.

Measure Domain

PRIMARY MEASURE DOMAIN

Process

The validity of measures depends on how they are built. By examining the key building blocks of a measure, you can assess its validity for your purpose. For more information, visit the [Measure Validity](#) page.

SECONDARY MEASURE DOMAIN

Does not apply to this measure

Brief Abstract

DESCRIPTION

This measure is used to assess the percentage of nursing facility HIV-infected patients who are unstable on antiretroviral (ARV) therapy for whom one of four specified management options* is documented in the medical record in every 4-month period the patient is considered unstable.

*Management options:

- Regimen was changed, resistance testing completed and viral load assay performed within 8 weeks of decision
- Justification provided not to change therapy (intercurrent illness, recent vaccination, adherence intervention documented, viral load reordered, patient prefers not to change medication, provider

- documents that patient is clinically/immunologically stable, resistance testing ordered, other) and viral load assay performed within 8 weeks of decision
- Documentation that patient decides not to take medication and viral load assay performed within four months
 - Decision made to discontinue therapy and viral load test in four months

This measure is one of 16 New York State Department of Health AIDS Institute, HIV Quality of Care Program, [Nursing Facility HIV Performance Measures](#).

RATIONALE

The AIDS Institute is committed to promoting, monitoring and supporting the quality of HIV clinical services for people with HIV in New York State. Clinical guidelines are developed in accordance with newly emerging clinical and research developments. By developing indicators based on the guidelines, the AIDS Institute has created a mechanism for measurement of HIV clinical performance.

These indicators measure critical aspects of the HIV Clinical Management for nursing facility HIV-infected patients.

Note: Although developed in New York State, these indicators are intended to be used by clinicians caring for patients with HIV in a nursing/long-term care facility setting in any locale.

PRIMARY CLINICAL COMPONENT

HIV; antiretroviral (ARV) therapy; viral load monitoring; medication management

DENOMINATOR DESCRIPTION

Nursing facility HIV-infected patients who are unstable on antiretroviral (ARV) therapy (see the related "Denominator Inclusions/Exclusions" field in the Complete Summary)

NUMERATOR DESCRIPTION

The number of patients for whom one of four specified management options is documented in the medical record in every 4-month period the patient is considered unstable (see the related "Numerator Inclusions/Exclusions" field in the Complete Summary)

Evidence Supporting the Measure

EVIDENCE SUPPORTING THE CRITERION OF QUALITY

- A clinical practice guideline or other peer-reviewed synthesis of the clinical evidence
- A formal consensus procedure involving experts in relevant clinical, methodological, and organizational sciences

Evidence Supporting Need for the Measure

NEED FOR THE MEASURE

Use of this measure to improve performance

EVIDENCE SUPPORTING NEED FOR THE MEASURE

New York State Department of Health AIDS Institute. Clinical management of HIV infection. Quality of care performance in New York State 1999-2001. New York: New York Department of Health AIDS Institute; 2003 Sep 1. 62 p.

State of Use of the Measure

STATE OF USE

Current routine use

CURRENT USE

Internal quality improvement

Application of Measure in its Current Use

CARE SETTING

Long-term Care Facilities

PROFESSIONALS RESPONSIBLE FOR HEALTH CARE

Advanced Practice Nurses
Physician Assistants
Physicians

LOWEST LEVEL OF HEALTH CARE DELIVERY ADDRESSED

Single Health Care Delivery Organizations

TARGET POPULATION AGE

Unspecified

TARGET POPULATION GENDER

Either male or female

STRATIFICATION BY VULNERABLE POPULATIONS

Unspecified

Characteristics of the Primary Clinical Component

INCIDENCE/PREVALENCE

Over one million persons in the United States are estimated to be living with HIV/AIDS. The prevalence rate for adults and adolescents is estimated at 168.8 per 100,000.

EVIDENCE FOR INCIDENCE/PREVALENCE

Centers for Disease Control and Prevention. HIV/AIDS surveillance report, 2004. Vol. 16. Atlanta (GA): US Department of Health and Human Services, Centers for Disease Control and Prevention; 2005. 46 p.

ASSOCIATION WITH VULNERABLE POPULATIONS

Minority and risk groups, including poverty populations, medically uninsured, immigrants, and homeless persons

EVIDENCE FOR ASSOCIATION WITH VULNERABLE POPULATIONS

Centers for Disease Control and Prevention. HIV/AIDS surveillance report, 2004. Vol. 16. Atlanta (GA): US Department of Health and Human Services, Centers for Disease Control and Prevention; 2005. 46 p.

BURDEN OF ILLNESS

Unspecified

UTILIZATION

Unspecified

COSTS

Unspecified

Institute of Medicine National Healthcare Quality Report Categories

IOM CARE NEED

Living with Illness

IOM DOMAIN

Effectiveness

CASE FINDING

Users of care only

DESCRIPTION OF CASE FINDING

- All nursing facility HIV-infected patients
- Patients who are either receiving antiretroviral (ARV) therapy or have received ARV therapy within the past two years are eligible for this indicator. Patients absent for more than 21 consecutive days during a review period because of hospitalization or incarceration are not eligible for review during that four-month review period.

DENOMINATOR SAMPLING FRAME

Patients associated with provider

DENOMINATOR INCLUSIONS/EXCLUSIONS

Inclusions

Nursing facility HIV-infected patients who are unstable* on antiretroviral (ARV) therapy

*Patients whose viral load has increased by more than 1 log and absolute value is over 1,000; or CD4 has dropped by 50% since the last 4-month review period; or opportunistic infection (OI) in the last four month review period (new or recurrent); or patient deemed unstable by physician.

Exclusions

Patients who are absent for more than 21 consecutive days during a review period because of hospitalization or incarceration

RELATIONSHIP OF DENOMINATOR TO NUMERATOR

All cases in the denominator are equally eligible to appear in the numerator

DENOMINATOR (INDEX) EVENT

Clinical Condition
Institutionalization
Therapeutic Intervention

DENOMINATOR TIME WINDOW

Time window precedes index event

NUMERATOR INCLUSIONS/EXCLUSIONS

Inclusions

The number of patients for whom one of the following four management options is documented in the medical record in every 4-month period the patient is considered unstable:

- Regimen was changed, resistance testing completed, and viral load assay performed within 8 weeks of decision
- Justification provided not to change therapy (intercurrent illness, recent vaccination, adherence intervention documented, viral load reordered, patient prefers not to change medication, provider documents that patient is clinically/immunologically stable, resistance testing ordered, other) and viral load assay performed within 8 weeks of decision
- Documentation that patient decides not to take medication and viral load assay performed within four months
- Decision made to discontinue therapy and viral load test in four months

Exclusions

None

MEASURE RESULTS UNDER CONTROL OF HEALTH CARE PROFESSIONALS, ORGANIZATIONS AND/OR POLICYMAKERS

The measure results are somewhat or substantially under the control of the health care professionals, organizations and/or policymakers to whom the measure applies.

NUMERATOR TIME WINDOW

Fixed time period

DATA SOURCE

Medical record

LEVEL OF DETERMINATION OF QUALITY

Individual Case

PRE-EXISTING INSTRUMENT USED

Unspecified

Computation of the Measure

SCORING

Rate

INTERPRETATION OF SCORE

Better quality is associated with a higher score

ALLOWANCE FOR PATIENT FACTORS

Unspecified

STANDARD OF COMPARISON

External comparison at a point in time
External comparison of time trends
Internal time comparison

Evaluation of Measure Properties

EXTENT OF MEASURE TESTING

Review tools are pilot tested by peer review agent prior to full implementation.

The sample size is constructed by a statistical consultant based on a facility's caseload to ensure reliability. A statewide HIV Quality of Care Advisory Committee reviews indicators to ensure validity.

EVIDENCE FOR RELIABILITY/VALIDITY TESTING

Hatton TE. (Quality of Care Program Manager, AIDS Institute - NYSDOH).
Personal communication. 2006 Mar 13. 1p.

Identifying Information

ORIGINAL TITLE

Appropriate management for patients unstable on ARV therapy.

MEASURE COLLECTION

[New York State Department of Health AIDS Institute, HIV Quality of Care Program Indicators](#)

MEASURE SET NAME

[Nursing Facility HIV Performance Measures](#)

DEVELOPER

New York State Department of Health AIDS Institute

ADAPTATION

Measure was not adapted from another source.

RELEASE DATE

2000 Jul

REVISION DATE

2004 Jun

MEASURE STATUS

This is the current release of the measure.

SOURCE(S)

New York State Department of Health AIDS Institute HIV Quality of Care Program. Nursing facility HIV performance measures. [internet]. New York: New York State Department of Health AIDS Institute; 2000-2004 [cited 2005 Aug 10]. [3 p]. Available: http://www.hivguidelines.org/public_html/center/quality-of-care/qoc-title-indicators/skilled-nursing.pdf.

MEASURE AVAILABILITY

The individual measure, "Appropriate Management for Patients Unstable on ARV Therapy," is available in Portable Document Format (PDF) from the [New York State Department of Health AIDS Institute Web site](#).

COMPANION DOCUMENTS

The following are available:

- New York State Department of Health AIDS Institute. The HIV Quality of Care Program. New York (NY): New York State Department of Health AIDS Institute; 2004 Jun 1. 33 p. This document is available in Portable Document Format (PDF) from the [New York State Department of Health AIDS Institute Web site](#).
- A consumer's guide to quality in HIV care in New York State. New York: New York State Department of Health AIDS Institute; 2003 Sep 1. 11 p. This document is available in PDF from the [New York State Department of Health AIDS Institute Web site](#).
- New York State Department of Health AIDS Institute. Clinical management of HIV infection. Quality of care performance in New York State 1999-2001. New York: New York Department of Health AIDS Institute; 2003 Sep 1. 62 p. This document is available in PDF from the [New York State Department of Health AIDS Institute Web site](#).

NQMC STATUS

This NQMC summary was completed by ECRI on December 12, 2005. The information was verified by the measure developer on March 13, 2006.

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Date Modified: 9/25/2006

The logo for FIRSTGOV, with "FIRST" in blue and "GOV" in red, separated by a small red star.

